Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/19/2017 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124883	-1	1.28	124674	1.22
Blue	F	SSC	125000	124222	-1	3.12	124407	2.86
Blue	E	FITC	23795	22973	-4	2.39	1024	10.32
Blue	D	PE	29673	29013	-3	1.93	1044	9.75
Blue	B	PerCP-Cy5-5	48943	47875	-3	3.39	1375	16.93
Blue	A	PE-Cy7	44112	43083	-3	5.06	666	35.23
Red	C	APC	54273	54086	-1	2.71	3108	9.52
Red	A	APC-Cy7	54945	54243	-2	2.72	1128	10.98
Violet	B	V450	15756	15245	-4	3.62	727	8.62
Violet	A	V500	62569	61238	-3	3.39	2719	6.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19242	2.98	609	-5	N/A	N/A	Pass
Blue	F	SSC	61710	1.31	542	-4	N/A	N/A	Pass
Blue	E	FITC	113	37.93	545	-5	0.0200	74	Pass
Blue	D	PE	228	28.28	543	-3	0.1559	206	Pass
Blue	B	PerCP-Cy5-5	213	43.93	632	-7	0.0099	46	Pass
Blue	A	PE-Cy7	72	118.61	687	-12	0.0121	15	Pass
Red	C	APC	366	27.68	599	-1	0.0200	61	Pass
Red	A	APC-Cy7	123	40.56	575	-9	0.0059	1765	Pass
Violet	B	V450	89	38.94	469	-3	0.0468	1507	Pass
Violet	A	V500	198	20.89	497	-2	0.0147	42	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.82	-31.40	0.90
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.51	13.27 - 19.91	N/A	N/A	31.52	31.94	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14987

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments